Single Frequency Repeater

The concept of a single frequency Repeater has recently been adopted by the GB7VT Repeater located near Stoke-on-Trent. The Output Frequency is 431.175MHz Time Slot 2 and the input frequency is also on 431.1750MHz on Time Slot 1. Radio users wishing to use this repeater will need to configure your DMR radio to monitor both time-slots whilst in DMO mode, on some terminals this is called pseudo trunk. Set to DMO mode, not all radios may work on a SFR (MD380 type radios to be tested), if you are using a professional radio; Motorola, Hytera, Simoco upgrade to the latest firmware version available. Pioneered back in the 1950s, this is by no means a new concept as it was originally designed for railroad engineer's radios. It would allow the dispatcher to interrupt the person talking in mid sentence if he was holding down the PTT button. This a real time system and not a store and forward simplex repeater. More information from https://ukfmgw.wixsite.com/stoke-repeaters/sfr

Tipperary Amateur Radio Group

The next meeting of the Tipperary Amateur Radio Group will take place in The Park Hotel, Clonmel on Tuesday 8th October at 8.30pm. New members or anyone interested in amateur radio are very welcome. Anyone who wishes to find out more about the Tipperary Amateur Radio Group and its activities you can attend any of their meetings. You can also check out their website www.ei7trg.ie or contact club PRO Ronan EI4KN at QTHR for further information.

Galway Digital Radio Group Lecture

The Galway Digital Radio Group held a lecture in the UGG innovation Centre last week. The new DMR Network, which is near completion in County Galway, was discussed and also the facilities to be offered on Yaesu Fusion and D-Star. A Question and Answer session took place afterwards. The slide presentation is available as a power point presentation on the Galway Digital Radio Group Facebook page found at https://www.facebook.com/groups/745516459124467/?ref=bookmarks If any Clubs or Groups, in the potential coverage area, are interested in having this lecture delivered at their meeting they may contact Steve, EI5DD, at wrights1@eircom.net The Lecture is not too technical and very easy to follow with a duration of approx. 1Hr 20 mins.

Digital Voice over Satellite

Experiments using digital voice over QO-100 had led to a change to DQPSK in the OFDM modem of mode 2020 FreeDV software. This software running on computers having AVX command extension and transmitted over a highly linear RF-setup is producing outstanding audio quality over the satellite occupying only 1600 Hz bandwidth. David Rowe's blog about FreeDV 2020 got a response from Myriad-RF, manufacturer of LimeSDR. Most important, as they are having a joint initiative with ESA, see https://sdrsat.com/.

JOTA-JOTI is the world's largest digital Scout event taking place online and over the air. The educational event brings together more than 2.5 million Scouts every year in October for a weekend of Scouting and friendship. Young people can learn about communications technology and connect with fellow Scouts from over 170 countries.

18th - 20th October 2019

Renew your IRTS Membership
Use this link to renew your membership for another year
www.irts.ie/renew

Irish Radio Transmitters Society

AGM 2020

Hosted by the South Eastern Amateur Radio Group

Saturday & Sunday 18th/19th April 2020

The Woodford Dolmen Hotel

Kilkenny Road

Carlow

Hotel Reception (059 9142002

Use Code "IRTS2020" when Booking rooms

Contests – October 2019

WA7BNM Contest Calendar : RSGB HF Contests : UKEICC Contests : IRTS Contests

Wed 2	20:00	1 hour	UKEICC SSB	80m, work everyone, exchange Locators, e.g. IO63
Sat 5	08:00	24 hours	Oceania DX SSB	160-10m, work Oceania only, exchange serials
Sun 6	05:00	18 hours	RSGB DX SSB/CW	80-10m, work everyone, exchange serials
Mon 7	19:00	90 minutes	RSGB FT4	80m, work everyone, use FT4 NA VHF Contest format
Tue 8	19:00	1 hour	IRTS 80m Counties SSB/CW	80m, work everyone, send serial, county
Sat 12	08:00	24 hours	Oceania DX CW	160-10m, work Oceania only, exchange serials
Sat 12	12:00	24 hours	Scandinavian Activity SSB	80-10m, work Scandinavia only, exchange serials
Sun 13	12:00	2 hours	IRTS 40m Counties SSB/CW	40m, work everyone, send serial, county
Mon 14	19:00	90 minutes	RSGB Autumn Series CW	80m, exchange serials, work UK only
Sun 20	19:00	90 minutes	RSGB RoLo CW	80m, send six character Locator from previous QSO
Wed 23	19:00	90 minutes	RSGB Autumn Series Data	80m, exchange serials, work UK only
Sat 26	00:00	48 hours	CQWW DX SSB	160-10m, exchange CQ Zone (14 for EI/GI entrants)
Wed 30	20:00	1 hour	UKEICC CW	80m, work everyone, exchange Locators, e.g. IO63
Thu 31	19:00	90 minutes	RSGB Autumn Series SSB	80m, exchange serials, work UK only
Every	Wed	60 mins	CWops Mini Contests	160-10m, three separate CW contests

List compiled by Joe EI7GY   (All times are UTC)